



HOW TO USE

*your
argus model*

91

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Argus, Incorporated
Ann Arbor, Michigan

argus

model "21"



Argus Model 21 is a completely new interpretation of 35 mm. camera design. It shows the picture as it will appear on the film . . . thanks to the exclusive Markfinder that permits pre-selection of the best composition. Also incorporated in the 21 are other advanced features which make picture-taking easier, and good results more certain. It is a precision instrument and should receive the care accorded a fine watch, though it is rugged in construction and will give you years of picture-taking enjoyment.

To obtain the utmost from your Argus Model 21 read this instruction book carefully so you will thoroughly understand its operation.

1 Wind Knob	6 Lens
2 Shutter Release	7 Aperture Ring
3 Markfinder	8 Counter Dial
4 Rewind Knob	9 Flash Attachment
5 Shutter Speed Dial	10 Flash Bulb Adjustment

LOADING

Use Standard 35 mm. film cartridges
Black and white or color
Winding knob must be engaged before
loading



- 1 Unlock the back of the camera by turning the locking catch on the base of the camera in the direction marked "open".



- 2 Slide off the camera back.

4



- 3 Place the 35 mm. film cartridge in the film compartment and withdraw about 4 inches of film.



- 4 Thread end of film *under* the friction roller on the permanently attached film take-up spool.

5



5

Give the winding knob a couple of turns to make sure film is secure to take-up spool. If knob does not turn, press shutter release.



6

Replace camera back making sure it is fully closed and the locking catch turned to the locking position.



7

Turn film winding knob as far as it will go, and then press shutter release. Repeat this operation. Turn winding knob as far as it will go.



8

Set exposure counter dial by pushing down with thumb and turning clockwise (to the right) until "O" is opposite index line. The camera is now ready for the first picture.

SHUTTER

To adjust the shutter, turn speed dial until speed desired is opposite index dot. Don't set between numbers. Don't turn dial clockwise (to the right) beyond "B" or counterclockwise (to the left) beyond "10". (See Exposure Guide on opposite page.) Speed "100" is in red. When used with red aperture and footage markings, the Model 21 can be used without further adjustment for average pictures in bright sunlight. Speed "B" means "bulb". It is used for longer exposures indoors or at night.

There are four steps

to taking pictures with Model 21:

Shutter adjustment, according to the type of subject.

Aperture, or lens adjustment, according to the light condition.

Focusing, according to the distance from camera to subject.

Exposure, or taking the picture.

Think of the word **SAFE** and you will get into the habit of making each step in the correct order.



APERTURE

To adjust the aperture (lens opening) turn front milled ring of lens mount until index line is opposite correct f number. (See Exposure Guide above). Lens opening f:8 is marked in red. It may be used with red shutter and focus markings as explained under shutter.

OUTDOOR EXPOSURE GUIDE

For Average Fast Film Like Kodak Plus X, ANSCO Supra, etc.

Subject	Shutter 1/100 Lens f/16	Bright 1/100 f/11	Cloudy-Bright 1/100 f/8	Cloudy-Dull 1/100 f/5.6
Beach, Water and Snow Scenes; Distant Land- scapes.				
Close-ups in Beach, Water and Snow Scenes; Landscapes with Fore- ground.	1/100 f/11	1/100 f/8	1/100 f/5.6	1/100 f/4
Pictures of People, Children at Play, Gar- dens, Houses, Street Scenes.	1/100 f/8	1/100 f/5.6	1/100 f/4	1/50 f/4
All Subjects in Open Shade; Not Under Trees or Porches.	1/100 f/5.6	1/100 f/4	1/50 f/4	1/25 f/4

For color see instructions supplied with film

For indoor pictures see instructions supplied with flood and flash bulbs

FOCUSING

To focus the Argus Model 21, turn the center milled ring of the lens mount until proper distance (camera to subject) is opposite index line. Distance marking "25" is in red. It may be used with red shutter and lens markings as explained under shutter.



DEPTH OF FIELD

The "depth of field" table below indicates the range of sharpness in the picture at different lens and focus settings. For example: With the Model 21 focused on 25 feet, and the lens set at f8, all subjects between 11' 6" and infinity will appear sharp. By referring to the table, you can readily determine the range of sharpness for any lens and focus settings.

Distance Focused on	f2.5 Sharply Focused		f4 Sharply Focused		f5.6 Sharply Focused		f8 Sharply Focused		f11 Sharply Focused		f16 Sharply Focused	
	From	To	From	To	From	To	From	To	From	To	From	To
3	2' 11"	3' 2"	2' 10"	3' 2"	2' 9"	3' 3"	2' 8"	3' 4"	2' 7"	3' 5"	2' 5"	3' 11"
5	3' 4"	3' 8"	3' 4"	3' 10"	3' 2"	3' 10"	3' 1"	4' 1"	3'	4' 5"	2' 9"	5' 1"
7	3' 8"	4' 4"	3' 8"	4' 4"	3' 7"	4' 6"	3' 6"	4' 10"	3' 5"	5' 3"	3'	8' 1"
10	4' 7"	5' 8"	4' 8"	5' 7"	4' 4"	5' 10"	4' 2"	6' 4"	3' 11"	6' 6"	3' 6"	8"
15	5' 5"	6' 8"	5' 3"	6' 11"	5' 1"	7' 1"	4' 9"	8' 2"	4' 5"	9' 6"	4'	13"
25	6' 11"	8' 6"	6' 10"	9' 10"	6' 5"	10' 8"	5' 10"	12' 8"	5' 4"	15' 4"	4' 8"	32"
35	8' 4"	12' 8"	8' 2"	13"	7' 6"	15"	6' 8"	18' 8"	6' 3"	20"	5' 3"	—
50	11' 8"	22"	11"	23"	10"	32"	8' 8"	55"	7' 5"	—	5' 2"	—
70	16' 6"	52"	15' 6"	63"	13' 9"	162"	11' 6"	—	9' 6"	—	7' 6"	—
100	24"	—	23"	—	19"	—	15"	—	11' 8"	—	8' 5"	—
—	47"	—	41"	—	25"	—	20"	—	15"	—	10"	—

TAKING THE PICTURE

HORIZONTAL AND VERTICAL



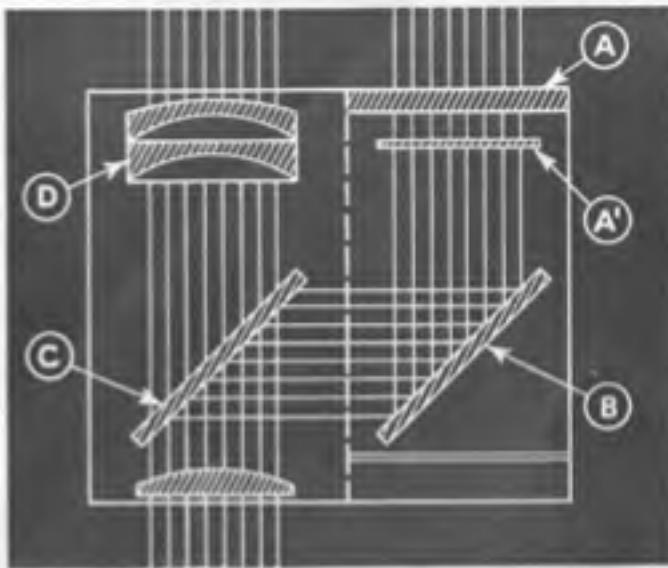
Shown above are the correct methods of holding the Model 21 for vertical and horizontal pictures.

Be sure to hold the camera steady at the moment the picture is taken, and press the shutter release smoothly.

THE MARKFINDER



The Argus Markfinder on the Model 21 is a new type view-finder, similar in principle to the military gun-sights which proved so accurate during the war. Its field of view includes more than will appear on the film, and a reticule, projected into the field, outlines the area which will be in the picture. A cross helps to center the subject. Thus, composition is simplified.



The Markfinder's chief advantages are: It shows you the subject as it will appear on the film, not just a part of it as is the case with other optical view-finders. The Markfinder field of view is independent of the eye; no matter how or where you hold your eye, the view is always the same.

The cross-section above shows the principle. Light passing through ground glass (A) and the reticle (A') is reflected by mirror (B) semi-silvered mirror (C) and is projected into the field of view through distortionless doublet finder objective (D). You see the picture area outlined with a white line . . . always the same whatever your eye position.

WIND AND REWIND



After each picture is taken, wind the film so the camera will be ready for the next one. The exposure counter keeps track of those taken.

The shutter is automatically set for the next picture when the film is wound. If not to be used for long periods, release shutter before storing camera.



When all pictures have been taken, PULL OUT WINDING KNOB AND GIVE ONE-QUARTER TURN TO SECURE KNOB IN "OUT" POSITION.

Then rewind film (using knob marked "Rewind") into cartridge.

TAKE OUT SPOOL



Open back of camera as in loading, and remove film cartridge.

FOR BEST RESULTS

Develop or have the film developed as soon as possible. This will insure better pictures. Keep the camera loaded with film so you will be ready for any picture opportunity.

Argus Model 21 Uses Standard 35mm Film
Cartridges Black-and-White or Color

MODEL 21 FLASH UNIT



Argus Model 21 may be used with the Argus Flash Unit, which clips to the top of the camera. Synchronization is built into the camera and is correct at all shutter speeds. For exposure data and specific information on using the Argus Flash Unit, refer to the instructions which accompany it.

FLASH ADJUSTMENTS

When using the Flash Unit, the small, black dial on top of the camera permits adjustment for different types of flash bulbs.

"M" means Medium delay bulbs (20 ms. delay; all flash bulbs except SM or SF).

"F" means Fast delay bulbs (5 ms. delay; SM or SF flash bulbs).

To adjust: Use the thumb and forefinger to grasp the black button and turn left or right with a twisting motion as in using a key. Don't try to push the button with one finger.



The Argus 21 Flash Unit Extension increases the camera's versatility in flash photography; helps in obtaining balanced lighting, better modeling and unusual effects.

REMOVABLE LENS



The Cintar f:3.5 lens on the Argus Model 21 is removable, and may be used on an enlarger. Unscrew the lens by means of the knurled ring at the base of the lens mount, adjacent to the camera. Do not unscrew by means of the focusing ring or focus adjustment may be damaged. There is no danger of fogging film in the camera when the lens is removed.

CARRYING CASE



The Argus Model 21 carrying case is made of the finest quality saddle leather, beautifully stitched and tailored to the camera for a perfect fit. You'll be proud to carry your Model 21 in it.

An Argus carrying case protects your camera from hard knocks, from the weather, and provides a convenient means of carrying.

CABLE RELEASE



Provision is made for using a cable release, if desired. Your Argus Dealer can supply one. The cable release screws into a bushing on top of the camera. It is useful for taking pictures when the "bulb" setting is used.

TRIPOD BUSHING



To use a Tripod with Model 21, attach it to the threaded bushing on the base of the camera. A similar bushing is provided in the carrying case.